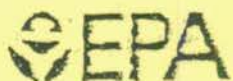


Registration No 35935-75

FEE FOR SERVICE



ADMINISTRATIVE NO(S).: 35935-TL

PM: 23

CHEMICAL NO.: _____

The jacket for this action can be
requested through the JACKETS system.

Completion of 21-Day Content Screen

Jacket will be
transferred to

Mike -

PM- 23

Data package

you. Im 6/11

for 7
↓

EPA Reg. # (File Symbol) 35535-7L

Decision # D 44588

Data package delivered to
you on 6/10/09.
(date)

Jacket/Mini-jacket will be
transferred to you today.
(Pick up from Document Center)

Thank you,

Registration Division's 21-Day Content Team

Memorandum

Date: 6 / 9 / 09

To: PM 23, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a: ☒ fully accepted submission
☐ partially accepted submission
☐ rejected submission

ISB'S Front-end PRIA Completeness Screen

Draft 3; 10/25/07

EPA Receipt Date: 6/1/09		EPA Reg. Number: 35935-TL		
	Check List Item	Yes	No	N/A
1	Has the PRIA Fee been Paid ; is a copy of the check or Pay.gov receipt included in the Submission Package?	X		
2	Is an Application Form (EPA Form 8570-1) Included in the Submission Package, is it completely filled out and signed including package type?	X		
3	Is a Confidential Statement of Formula (EPA Form 8570-29) Included in the Submission Package, is it completely filled out and signed (boxes 1-21)?	X		
4	Is a Formulator's Exemption Statement (EPA Form 8570-27) Included in the Submission Package?		X	
5	Is a Certification with Respect to Citation of Data (EPA Form 8570-34) Included in the Submission Package?	X		
6	Is a Data Matrix (EPA Form 8570-35) Included in the Submission Package?	X		
7	Is a Label Included in the Submission Package?	X		
8	Are Data Included in the Submission Package?	X		
9	Is the Submission an Amendment?		X	



Nufarm Limited
George Meindl
Regulatory Affairs Manager
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Phone: 630.455.2017 Fax: 630.455.2030
george.meindl@us.nufarm.com

January 25, 2010

Via Overnight Courier

Kathryn Montague (PM-23)
Document Processing Desk (FIN LABEL)
Office of Pesticide Programs (7505P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Subject: Dithiopyr Technical
EPA Reg. No. 35935-75
Final Printed label

Dear Ms. Montague:

Enclosed are the subject product's final print labeling, which is now consistent with the EPA comment letter and EPA stamped label dated 12/22/2009.

To process this request please find enclosed the following:

- Application for Pesticide Registration (EPA form 8570-1)
- Final print labeling (1 copy)

If you should have any questions regarding this matter, please feel free to contact me at 630.455.2017 or email at george.meindl@us.nufarm.com.

Sincerely,

A handwritten signature in dark ink, appearing to read 'George Meindl', is written over a faint, larger version of the same signature.

George Meindl
Regulatory Affairs Manager
Nufarm Limited



Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

United States Environmental Protection Agency Washington, DC 20460		<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
Application for Pesticide - Section I			
1. Company/Product Number 35935-75		2. EPA Product Manager Kathryn Montague	
4. Company/Product (Name) Dithiopyr Technical		3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Limited 104 T.W. Alexander Drive (PO Box 13439) RTP, NC 27709 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	
Section - II			
<input type="checkbox"/> Amendment - Explain below.		<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>12/22/2009</u>	
<input type="checkbox"/> Resubmission in response to Agency letter dated _____		<input type="checkbox"/> "Me Too" Application.	
<input type="checkbox"/> Notification - Explain below.		<input type="checkbox"/> Other - Explain below.	
Explanation: Use additional page(s) if necessary. (For section I and Section II.)			
Section - III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt No. per container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	
		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	
Section - IV			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name George Meindl george.meindl@us.nufarm.com		Title Regulatory Affairs Manager	
		Telephone No. (Include Area Code) 630.455.2017	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Affairs Manager	
4. Typed Name George Meindl		5. Date 1/25/2010	

DITHIOPYR TECHNICAL

ACTIVE INGREDIENT:

Dithiopyr*: S,S'-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate 98.8%

OTHER INGREDIENTS: 1.2%

TOTAL: 100.0%

*CAS No. 97786-45-8

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 35935- 75
EPA EST. NO. 81134-CHN-001

NET WEIGHT:

035935-00075.20091222.EPA FIN
NUP-08074

MANUFACTURED FOR
NUFARM LIMITED
PO BOX 13439
RTP, NC 27709



**PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p style="text-align: center;">HOT LINE NUMBER</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.</p>	

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the U.S.EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Only for formulation into a herbicide for the following uses(s):

- (1) Established ornamental turf and lawn grasses (including golf course fairways, roughs, and tee boxes), sod farms, non-cropland and industrial sites, established landscape ornamentals, field and container ornamentals;
- (2) Use for which U.S. EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and
- (3) Uses for experimental purposes that are in compliance with U.S. EPA regulations.

Detailed information on chemical and physical properties and other formulating recommendations for this product are available upon request from Nufarm. Obtain and read this information before undertaking the formulation of Dithiopyr Technical in order to avoid formulation hazards and insure a satisfactory finished product.

Formulators using this product are responsible for obtaining EPA registration for their formulated product. Labeling for products formulated from this product must conform to that which is currently registered with the U.S. Environmental Protection Agency. For specific information on federally registered uses, contact Nufarm.

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Do not mix or store this product in unlined steel equipment.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If wastes cannot be disposed of by use according to label instructions, they must be disposed of according to Federal, state and local procedures. Contact your local State Pesticide or Environmental Control Agency or Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. Triple rinse (or equivalent) the steel drum. Then, offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER, AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, CROP OR PLANT DAMAGE, OR LOSS OF YIELD, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE WEATHER, WIND, AND TEMPERATURE, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER, AND ASSUMED BY BUYER OR USER.

THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER OR MANUFACTURER, AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY OTHER REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS. NO WARRANTIES SHALL BE CREATED BY COURSE OF DEALING, USAGE OF TRADE, OR COURSE OF PERFORMANCE.

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF. THE SELLER OR MANUFACTURER ASSUMES NO RESPONSIBILITY THAT THE GOODS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING OR USING THE GOODS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT.

LIMITATION OF LIABILITY WARNING

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NEITHER MANUFACTURER NOR SELLER SHALL BE LIABLE TO BUYER OR USER OR TO CUSTOMERS OF BUYER, IF ANY, FOR INDEMNIFICATION OR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE USE, MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE GOODS AND, IF BUYER OR USER WISHES, THE RETURN OF THE GOODS BY BUYER TO SELLER.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the goods, and return it unopened to the Seller, and the purchase price will be refunded. By using the goods, you expressly agree to all of the terms and conditions of this contract.

(RV122209)



U.S. ENVIRONMENTAL PROTECTION
AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

35935-75

Date of Issuance:

DEC 22 2009

NOTICE OF PESTICIDE:

☒ Registration

☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Dithiopyr Technical

Name and Address of Registrant (include ZIP Code):

Nufarm Limited
150 Harvester Drive
Burr Ridge, IL 60527

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

- 1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data. If required, failure to submit acceptable data to fulfill these requirements may result in registration cancellation in accordance with FIFRA section 6(e).
- 2) Add the phrase "EPA Reg. No. 35935-75" to the labeling and assure that the EPA Establishment Number and Net Contents are also on the label.
- 3) Generate one-year storage stability (830.6317) and corrosion characteristics (830.6320) data on the product. The observations should be made at 0, 3, 6, 9, and 12 month intervals. The results must be submitted to the Agency in electronic and hard copy format within 15 months of the date on this document.
- 4) Change the last sentence under the Environmental Hazards header to read "For guidance contact your State Water Board or Regional Office of the U.S. EPA."
- 5) Note: A First Aid box is not required for this product. The First Aid information is optional and it may either remain on the label or it may be removed from the label.

SEE NEXT PAGE FOR ADDITIONAL COMMENTS

Signature of Approving Official:

Kathryn V. Montague
Product Manager 23
Herbicide Branch

Registration Division (7505P)

Date:

DEC 22 2009

6) Note: While no additional data is being requested at this time, marketing claims made on the pesticide label must be substantiated by data maintained in your files. If data supporting marketing claims made on the product label is not available then those claims must be removed.

7) Note: Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

DITHIOPYR TECHNICAL

ACTIVE INGREDIENT:

Dithiopyr*: S,S'-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate 98.8%

OTHER INGREDIENTS: 1.2%

TOTAL: 100.0%

*CAS No. 97786-45-8

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

DEC 22 2009
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

35935-75

EPA REG. NO. 35935-
EPA EST. NO.

NET WEIGHT:

035935-000xx.20090428.EPA.NEW
NUP-08074

MANUFACTURED FOR
NUFARM LIMITED
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



**PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Only for formulation into a herbicide for the following uses(s):

- (1) Established ornamental turf and lawn grasses (including golf course fairways, roughs, and tee boxes), sod farms, non-cropland and industrial sites, established landscape ornamentals, field and container ornamentals;
- (2) Use for which U.S. EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and
- (3) Uses for experimental purposes that are in compliance with U.S. EPA regulations.

Detailed information on chemical and physical properties and other formulating recommendations for this product are available upon request from Nufarm. Obtain and read this information before undertaking the formulation of Dithiopyr Technical in order to avoid formulation hazards and insure a satisfactory finished product.

Formulators using this product are responsible for obtaining EPA registration for their formulated product. Labeling for products formulated from this product must conform to that which is currently registered with the U.S. Environmental Protection Agency. For specific information on federally registered uses, contact Nufarm.

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Do not mix or store this product in unlined steel equipment.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If wastes cannot be disposed of by use according to label instructions, they must be disposed of according to Federal, state and local procedures. Contact your local State Pesticide or Environmental Control Agency or Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. Triple rinse (or equivalent) the steel drum. Then, offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER, AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, CROP OR PLANT DAMAGE, OR LOSS OF YIELD, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE WEATHER, WIND, AND TEMPERATURE, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER, AND ASSUMED BY BUYER OR USER.

THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER OR MANUFACTURER, AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY OTHER REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS. NO WARRANTIES SHALL BE CREATED BY COURSE OF DEALING, USAGE OF TRADE, OR COURSE OF PERFORMANCE.

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF. THE SELLER OR MANUFACTURER ASSUMES NO RESPONSIBILITY THAT THE GOODS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING OR USING THE GOODS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT.

LIMITATION OF LIABILITY WARNING

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NEITHER MANUFACTURER NOR SELLER SHALL BE LIABLE TO BUYER OR USER OR TO CUSTOMERS OF BUYER, IF ANY, FOR INDEMNIFICATION OR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE USE, MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE GOODS AND, IF BUYER OR USER WISHES, THE RETURN OF THE GOODS BY BUYER TO SELLER.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the goods, and return it unopened to the Seller, and the purchase price will be refunded. By using the goods, you expressly agree to all of the terms and conditions of this contract.

(New)

PRIA DUE DATE: 12/22/09

Dithiopyr Technical, #35935-75 (-TL)

New Product, R310, Decision #: 414588

Note to: Kathryn Montague/PM 23 & File *pmw 12/10/09*
From: Michael Walsh, Tel: 308-2972
Re: Nufarm Limited - New Product Registration (Active: Dithiopyr at 98.8%)

TRB Substantial Similarity Review (B. Hanson, Dec. 3, 2009)

- TRB determined that the product is toxicologically substantially similar to the cited product (83558-32, formerly 72167-55). The proposed use sites and labeling are substantially similar.
- The signal word is CAUTION based on the toxicity profile and labeling for the cited product.
- TRB has no objection to this product having the same precautionary labeling and First Aid statements as the cited product. Note: The toxicity profile for this product is category IV, and the product is negative as a Dermal Sensitizer. According to the Label Review Manual and page 3 of TRB's review, the Hazards to Humans and Domestic Animals and First Aid statements are optional for this product. See comment #5 on the Notice of Registration.
- A copy of the TRB review is provided for the registrant.

TRB Chemistry Review (A. Abromvitch, Oct. 26, 2009)

- The basic CSF (dated May 27, 2009) was stamped APPROVED by TRB on October 26, 2009.
- The percentage of active ingredient for the cited product is 97.0%. The percentage of active ingredient for this product is 98.8%. TRB recognizes this difference as being within the acceptable limits.
- The review states: "The Agency does not accept the registrant's referral to PR Notice 92-5 as a rationale for not conducting studies that are required by 40 CFR 158.310 including the most recent publication. The registrant must provide data to address the deficiencies cited in the Table for Subgroup B (Storage Stability and Corrosion Characteristics)." See comment #3 on the Notice of Registration.
- A copy of the TRB chemistry review is provided for the registrant.

Label Review & Comparison

- **First Aid Information** - The cited product label approved at registration (for 72167-55, currently 83558-32) has no First Aid box. First Aid statements are not required according to the TRB toxicological similarity review for this product. It is important to note that Nufarm included a First Aid box on the product label submitted for review, and that the First Aid box may remain on the label. See comment # 5.
- **Environmental Hazards** - The cited product was registered on June 29, 2007. At that time, the cited product registrant was instructed to add "U.S." to "EPA" changing the last sentence in the Environmental Hazards section of the label to read "For guidance contact your State Water Board or Regional Office of the U.S. EPA." For the purposes of consistency, Nufarm was instructed to make this change to this product label. See comment #4.

SEE NEXT PAGE

- **Container Disposal** – The container disposal statement is in compliance with PR Notice 2007-4. Note: Detailed container rinsing/cleaning instructions are not required for manufacturing use/technical products.
- **Directions for Use** – The registrant label is similar to the cited product, but differs in use instructions.

Use Instructions

The cited product label (83558-32, formerly 72167-55) reads “Do not use this product to formulate into end-use products in any type of equipment made of metal or metal ions (this restriction excludes stainless steel).”

This product label (35935-TL) reads: “Detailed information on chemical and physical properties and other formulating recommendations for this product are available upon request from Nufarm. Obtain and read this information before undertaking the formulation of Dithiopyr Technical in order to avoid formulation hazards and insure a satisfactory finished product.”

Experimental Purposes

During the label review process, Jim Tompkins/PM 25 was asked to review the 3 statements under Directions for Use referring to acceptable formulations. PM25 determined that the phrase “(3) Uses for experimental purposes that are in compliance with U.S. EPA regulations.” was an acceptable statement. This could not be located in the Label Review Manual during the review process.

BARCODE: D366137 Reg./File No.: 35935-TL PRODUCT: Dithiopyr Technical

Date: October 16, 2009

SUBJECT: Product Chemistry Review of Dithiopyr Technical

FROM: Akiva Abramovitch, Ph.D.
Technical Review Branch / RD (7505P)

Akiva *STB*
(10728) Of

THROUGH: Shyam B. Mathur, Ph.D.
Product Chemistry Team Leader
Technical Review Branch/RD (7505P)

TO: Michael Walsh, Reviewer / Joanne Miller, Product Manager, RM 23
Herbicide Branch / RD (7505P)

DP BARCODE: DP 366137

DECISION No.: 414588

Registration Number 39535-TL:

PRODUCT NAME: Dithiopyr Technical

PCC: 128994

REGISTRANT: Nufarm Limited

USE: Herbicide

FOOD USE: Yes [Y] No []

MRID Numbers: 477655-01 Through 03

INTRODUCTION:

The registrant provided product chemistry group A & B data to support the basic formulation dated 5/27/09. The group A data included composition, starting materials, description of the production process and discussion of the formation of impurities in MRID 47765501 and preliminary analysis (5 batch analysis) certified limits and enforcement of analytical method in MRID 47765502. The Enforcement analytical method was included in MRID 47765502 and the Physical and Chemical Properties in MRID 47765503. The basic CSF and the product label claim 98.8% Dithiopyr Technical.

The registrant provided a five batch analysis for the manufacturing site [REDACTED] to support the basic CSF.

TRB was instructed to review the product chemistry data that was submitted to support the basic CSF dated 5/27/09 and determine whether the product chemistry data support the registration of this product. TRB was also asked to determine whether this product is similar to product EPA Reg. No. 83558-32 (Formerly 72167-55) as the registrant claims.

SUMMARY OF FINDINGS:

1. The technical product contains 98.8% Dithiopyr Technical as the active ingredient with the product label claim of 98.8%.
2. The product chemistry data submitted corresponding to guideline reference 830.1550 (product identity & composition) and 830.1750 (certified limits) satisfy the data requirements of 40CFR§158.320 and 158.350 respectively [MRID No. 47765501].
3. The submitted product chemistry data corresponding to Guideline 830.1600 series (description of materials used to produce the product) including 830.1620 (description of production process) and 830.1670 (discussion of the formation of impurities) satisfy the data requirements of 40 CFR 158.325, 158.330 and 158.340, respectively (MRID 47765501).

BARCODE: D366137; **Reg./File No.:** 35935-TL **PRODUCT:** Dithiopyr Technical

4. The petitioner submitted the GLP method used for the 5 batch analysis for guideline 830.1700 (preliminary analysis) and satisfied the data requirements) indicates that the method is reproducible and adequate. The 5 batch analysis data satisfy the data requirement for a technical product guideline 830.1700 (MRID 47765502).

5. The data corresponding to guidelines 830 Series Subgroup B (physical-chemical properties) were satisfied with the exception of storage stability and corrosion data (MRID 47765503, see table for detail).

CONCLUSIONS:

- 1) The 5 batch analysis indicated that samples ranged from 98.35% to 99.23% with an average of 98.84%. All batches were within a narrow range and within the certified limits. The product has a label claim of 98.8% Dithiopyr.
- 2) The basic CSF dated 5/27/2009 was filled out correctly based on the five batch analysis and is acceptable.
- 3) Storage Stability (830.6317) and Corrosion Characteristics (830.6320) data requirements are the remaining gaps that must be cited as a condition for registration.
- 4) This product is substantially similar to product EPA Reg. No. 72167-55 as the registrant claims. Also see DP 334268 for the product chemistry review of 72167-LL.

A note to the PM:

The Agency does not accept the registrant's referral to PR Notice 92-5 as a rational for not conducting studies that are required by 40 CFR 158.310 including the most recent publication. The registrant must provide data to address the deficiencies cited in the Table for Subgroup B (Storage Stability and Corrosion Characteristics).

830.1550. Product identity & Composition:

Table 1. Manufacturing and Impurity Data for TGA/MUP				
GLN	Requirement	MRID	Status	Details and /or Deficiency
830.1550	Product Identity and composition	47765501	A	See Confidential appendix.
830.1600	Description of materials used to produce the product	47765501	A	See Confidential appendix.
830.1620	Description of production process	47765501	A	See Confidential appendix.
830.1670	Discussion of formation of impurities	47765501	A	See Confidential appendix.
830.1700	Preliminary analysis	47765502	A	See Confidential appendix.
830.1750	Certified limits	47765502	A	See Confidential appendix.
830.1800	Enforcement analytical method.	47765502	A	
A = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress or need upgrade; U up-grade (additional information required)				

BARCODE: D366137; Reg./File No.: 35935-TL PRODUCT: Dithiopyr Technical

830 Series Subgroup B (Physical-Chemical Properties)

Table 2: Physical and Chemical Properties of : TGA/MUP				
GLN	Requirement	MRID	Status	Result or Deficiency
830.6302	Color	477655-02	A	Off White
830.6303	Physical state	477655-02	A	Powder
830.6304	Odor	477655-02	A	Strong pungent odor
830.6313	Stability to normal and elevated temperatures, metals, and metal ions		W	No contact with iron and aluminum metals and metal ions expected and a waiver was requested.
830.6314	Oxidation/reduction: chemical incompatibility		W	Does not contain oxidation/reduction agents-a waiver requested
830.6315	Flammability	477655-02, MSDS	W	Non flammable as a solid-a waiver requested.
830.6316	Explosibility		W	The ai was not found to be explosive. Not sensitive to thermal, friction or impact stimuli-a waiver requested.
830.6317	Storage stability		G	Required in the July 2008 (most recent issue) 40CFR§158.310
830.6320	Corrosion characteristics		G	Required in the July 2008 (most recent issue) 40CFR§158.310
830.7000	pH	477655-02, MSDS	A	4.91 on MSDS
830.7050	UV/Visible absorption	46974803	A	Data cited from MRID 46974803
830.7100	Viscosity		W	It is a solid. Not a liquid.
830.7200	Melting point	477655-02, MSDS	A	61.3 C
830.7220	Boiling point		W	A solid
830.7300	Density	477655-02	A	MSDS
830.7370	Dissociation constants in water (DC)	477655-02	W	No dissociation expected for this chemical and a waiver was requested.
830.7550	Partition coefficient octanol/water	477655-02	A	Log P=4.75 Data cited from "The Pesticide Manual".
830.7840	Water solubility:	477655-02	A	1.4 mg/L at 20 C --data cited from "The Pesticide Manual" --low solubility
830.7950	Vapor pressure	477655-02	A	0.53 mPa65 C Data cited from "The Pesticide Manual".

A = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress or need upgrade; U = Upgrade (additional information required); W = waivers CA=Conditional acceptance on a self certification form

BARCODE: D366137; Reg./File No.: 35935-TL PRODUCT: Dithiopyr Technical

Active Ingredient Identity:

CAS No.: 97886-45-8

Common name/alias: Dithiopyr

Chemical Names:

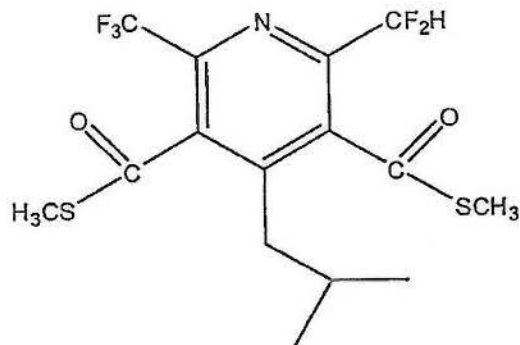
IUPAC: S,S'-dimethyl 2-difluoromethyl-4-isobutyl-6-trifluoromethylpyridine-3,5-dicarbothioate

CAS: S,S'-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate

Molecular formula: $C_{15}H_{16}F_5NO_2S_2$

Molecular weight: 401.1

Structure:



BARCODE: D366137; **Reg./File No.:** 35935-TL **PRODUCT:** Dithiopyr Technical

Physical State:	Clear liquid
Appearance:	colourless
Odor:	alcohol-like
pH:	Not available.
Vapor Pressure:	59 mbar @20 deg C
Viscosity:	1.2 mPas 20 deg C
Boiling Point:	78 deg C @ 760 mm Hg
Freezing/Melting Point:	-144 deg C
Autoignition Temperature:	370 deg C (698.00 deg F)
Flash Point:	12 deg C (53.60 deg F)
Explosion Limits, lower:	4.00 vol %
Explosion Limits, upper:	19.00 vol %
Decomposition Temperature:	
Solubility in water:	Miscible.
Specific Gravity/Density:	.7890
Molecular Formula:	C ₂ H ₅ OH
Molecular Weight:	46.06

Enforcement Analytical Method: (MRID 47765502)

Samples were analyzed by high performance liquid chromatography (HPLC). See method on the following page.

BARCODE: D366137; Reg./File No.: 35935-TL PRODUCT: Dithiopyr Technical

HPSL Analytical Method # 041-LC

Active Ingredients analyzed: Dithiopyr

Analytical Method description

Instrument: Thermo Finnigan Surveyor PDA Plus

Elution: Isocratic

Detection: UV at 254 nm

Analytical Column: Eclipse XDB-C8 4.6 x 150 mm. 5u.

S/N.# _____

Eluent (Mobile phase) (65/35/0.1) Acetonitrile: water: acetic acid

Preparation of 0.1% Acetic Acid: Added 1ml of acetic acid to 1 L of DI H₂O and mix well. Filter through 0.45 u Nyaflor HPLC filters.

Flow Rate: 1.0 ml/min

Column Temp: 30°C

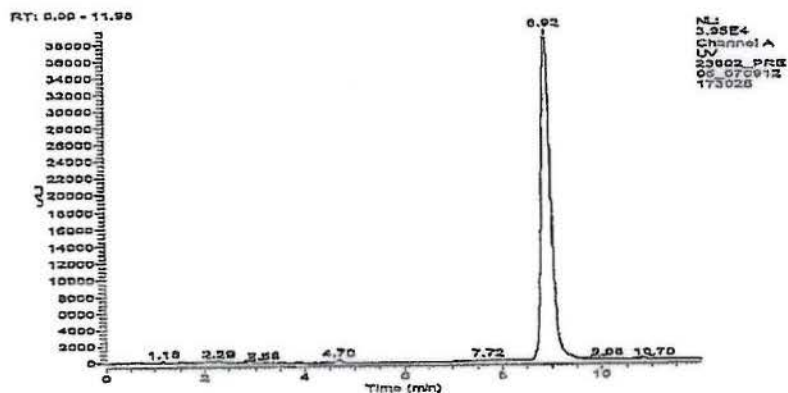
Injection Volume: 5 uL

Analyte retention time (minutes): ~ dithiopyr, 10.37 min

Linearity range (known): ~ 8-12 ug/mL

Example chromatogram:

Dithiopyr Linearity sample (LIN3) 5 uL injection





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

ALTERNATIVE RISK INTEGRATION AND ASSESSMENT (ARIA) TEAM
SIMILARITY CLINIC DETERMINATION

November 3, 2009

MEMORANDUM

Subject: Name of Pesticide Product: Dithiopyr Technical
EPA File Symbol: 35935-TL
DP Barcode: D366138
Decision No.: 414588
Action Code: R310
PC Code: 128994 Dithiopyr

From: Breann Hanson, Biologist *B. Hanson*
ARIA Team
Risk Integration Minor Use and Emergency Response Branch
(RIMUERB)/Registration Division (RD) (7505P)

Through: Masih Hashim, Team Leader – Toxicology *Hashim*
Technical Review Branch
RD; 7505P

To: Michael Walsh, RM Team 23
Herbicide Branch
Registration Division (7505P)

Applicant: Nufarm Limited
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

FORMULATION FROM LABEL:

<u>Active Ingredient:</u>			<u>% by wt</u>
128994	Dithiopyr	CAS No. 97886-45-8	98.8
<u>Other Ingredients:</u>			1.2
			Total: 100.0%

ACTION REQUESTED: The Risk Manager requests: "TRB/Substantial Similarity Clinic: Please review the attached materials to determine if new product 35935-TL is substantially similar to the cited product 83558-32 (formerly 72167-55). Thanks... Attached please find: registrant cover letter and application, CSFs for the new and cited product, labels for the new and cited product."

BACKGROUND: Nufarm Limited (herein the "registrant") has applied for registration of Dithiopyr Technical, EPA File Symbol: 35935-TL, claiming that data used to support another product, Dithiopyr Technical, EPA Reg. No. 83558-32, formerly 72167-55, can be bridged to this product. Both the proposed and cited products are for manufacturing uses. The submission includes the labels and CSFs for the proposed and cited products, data matrix, letter from the registrant and application.

EPA Reg. No. 83558-32, formerly 72167-55, was registered based on a substantial similarity claim to another product, MON 15100 Herbicide, EPA Reg. No. 62719-425 (transferred from 524-430 and 707-244) (DP#: 334269, R. Whiting, 4/18/2007). A six pack of acute toxicity studies used in support of 524-430 were located (Anderson, 10/13/1988 and Chin, 10/22/1990).

COMMENTS AND RECOMMENDATIONS:

1. This reviewer has evaluated the formulations of the proposed product, EPA File Symbol: 35935-TL, and the cited product, EPA Reg. No. 83558-32, and has found that they are toxicologically substantially similar. The acute toxicity data used in registration of 83558-32 may be used in registering the proposed product. In addition, the proposed use sites and labeling are substantially similar. The signal word is CAUTION based on the accepted label and toxicity profile of the cited product, 83558-32. This reviewer would have no objection if the proposed product, EPA File Symbol: 35935-TL, has the same precautionary labeling and first aid statements as EPA File Symbol: 83558-32.
2. The acute toxicity profile for Dithiopyr Technical, EPA File Symbol: 35935-TL, is:

acute oral toxicity	IV	Cited	EPA Reg. No. 62719-425
acute dermal toxicity	IV	Cited	EPA Reg. No. 62719-425
acute inhalation toxicity	IV	Cited	EPA Reg. No. 62719-425
primary eye irritation	IV	Cited	EPA Reg. No. 62719-425
primary dermal irritation	IV	Cited	EPA Reg. No. 62719-425
dermal sensitization	Negative	Cited	EPA Reg. No. 62719-425

3. Based on the toxicity profile above, the precautionary and first aid statements for this product are optional as long as the signal word **CAUTION** appears on the label; the following are the precautionary and first aid statements for this product as obtained from the Label Review System.

PRODUCT ID #: 035935-00075

PRODUCT NAME: Dithiopyr Technical

PRECAUTIONARY STATEMENTS

SIGNAL WORD: CAUTION

Hazards to Humans and Domestic Animals:

[Category III labeling optional]

First Aid:

[Category III labeling optional]

4. For the purpose of this action, the reviewer has made no determination as to the adequacy of the acute toxicological data base or the precautionary statements for the cited product. In addition, for the purposes of registration, the CSF for the proposed product has to be reviewed and accepted by the TRB Chemistry Team.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

June 4, 2009

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

NUFARM LIMITED
NUFARM LIMITED
PO Box 13439
RTP, NC 27709-

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 01-JUN-09. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

Receipt for Section 3			
S:	850972		
Regulatory Type:	Product Registration - Section 3	Fee For Service:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Application Type:	New Registration	Billable:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Company:	35935 NUFARM LIMITED		V
Risk Manager:	Registration Division, Risk Management Team 23		
Product #:	35935-TL	Product Name:	DITHIOPYR TECHNICAL
Override#:			
Me Too Section3:	83558-32	Me Too Product Name:	DITHIOPYR TECHNICAL
Application Date:	29-May-2009	OPP Rec'd Date:	01-Jun-2009
Front End Date:	01-Jun-2009	Risk Manager Send Date:	
FFS Due Date:		Negotiated Due Date:	
OPP Target Date:			
Fast Track:	<input type="checkbox"/>	New Ingredient:	<input type="checkbox"/>
Receipt Description:		View/Edit	
New registration		New Ingredient Request Date	
		New Ingredient Received Date	
Form A:	<input type="checkbox"/>	Signature Date:	
Form B:	<input type="checkbox"/>	Signature Date:	

Print Letter
 Enter More Information
 Tracking

Receipt Content
 Study
 CSF
 < >



Nufarm Limited
George Meindl
Regulatory Affairs Manager
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Phone: 630.455.2017 Fax: 630.455.2030
george.meindl@us.nufarm.com

May 29, 2009

OVERNIGHT DELIVERY

Joanne Miller (PM 23)
Document Processing Desk (REGFEE)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

RE: Nufarm Limited –Dithiopyr Technical (EPA Reg. No. 35935-)
Application for New Pesticide Registration

Dear Ms. Miller,

Nufarm Limited is submitting an application for registration of Dithiopyr Technical which contains the active ingredient dithiopyr.

In support of this application, we submit the following documents:

1. Application for a New Pesticide Registration (EPA Form 8570-1)
2. Confidential Statement of Formula (EPA Form 8570-4)
3. Five (5) Copies of the Proposed Labeling
4. Certification with Respect to Citation of Data (EPA Form 8570-34)
5. Agency Internal Use Copy of the Data Matrix
6. Public File Copy of the Data Matrix
7. Copy of PRIA payment
8. Product Specific Data (3 copies):

47765501	Volume 1	830.1550, 830.1600, 830.1620, 830.1670, 830.1750, 830.1800	Westmoreland, D. G. Dithiopyr Technical, NUP-08074, Product Identity and Process. <i>Contains Confidential Business Information</i>
47765502	Volume 2	830.1700	Knox III, D. E. Preliminary Analysis of Dithiopyr Technical, NUP-0874. <i>Contains Confidential Business Information</i>


47785503

Volume 3	830.6302, 830.6303, 830.6304, 830.6313, 830.6314, 830.6315, 830.6316, 830.6317, 830.6319, 830.6320, 830.6321, 830.7000, 830.7050, 830.7100, 830.7200, 830.7220, 830.7300, 830.7370, 830.7520, 830.7550- 7570, 830.7840- 7860, 830.7950	Tillman, A. M. Dithiopyr Technical (NUP-08074) Physical and Chemical Properties.
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We would like to note that Nufarm Limited is using the cite-all method of support. As per EPA's interpretations of 40 CFR Parts 152.86(b)(2)(i) and 152.93(b)(2)(i), Nufarm Limited submitted notices of intent to apply and offers to pay to all companies on the March 31, 2009 Data Submitter's List. This action falls under PRIA category R301 (45: New product) because it is an application for registration for a technical product substantially similar to a currently registered product. The fee has been paid (\$1,638) and the decision timeline is 4 months.

We trust you will find this application complete. However, please feel free to contact me ((630)-455-2017, George.Meindl@us.nufarm.com) if you have any questions or need any additional information.

Sincerely,



George Meindl
Regulatory Affairs Manager
Nufarm Limited

Enclosures

PRIA 2 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

3/23/09

21 Day Screen Start Date: 6-1-09

Experts In-Processing Signature: MF HARRINGTON Date 6-3-09 Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date _____

EPA Reg. Number: <u>35935-TL</u>		EPA Receipt Date: <u>6-1-09</u>				
Items for Review				Yes	No	N/A*
1	Application Form (EPA Form 8570-1)(link to form) signed & complete including package type			X		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4) (Link to form)			X		
	a) All inerts (link to http://www.epa.gov/opprd001/inerts/), including fragrances, approved for the proposed uses (see Footnote A)	yes	no			
		X				
3	Certification with Respect to Citation of Data (EPA Form 8570-34) (Link to form) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	Formulator's Exemption Statement (EPA Form 8570-27) (Link to form) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
	Data Matrix (EPA Form 8570-35) (Link to form) both internal and external copies (PR 98-5) (Link to PR 98-5) completed and signed (N/A if 100% repack)			X		
5	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)	X				
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of Label (link to http://www.epa.gov/oppfead1/labeling/lrm/) (Electronic labels on CD are encouraged and guidance is available)(link to http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm#labels)			X		

7	Is the data package consistent with PR Notice 86-5 (link to PRN 86-5)	✓		
8	Notice of Filing (link to http://www.epa.gov/pesticides/regulating/tolerance_petitions.htm) included with petitions (link to http://www.epa.gov/pesticides/regulating/tolerances.htm)			✗
9	If applicable for conventional applications, reduced risk rationale (link to http://www.epa.gov/opprd001/workplan/reducedrisk.html)			✗
10	Required Data (link to http://www.epa.gov/pesticides/regulating/data_requirements.htm) and/or data waivers. See Footnote C.			
	a) List study (or studies) not included with application			

Comments:

Passed 86-5 Review. MRID 477655

MRID 477655

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses. If an unapproved inert is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses **even if a product is currently registered** by consulting the inert Web

site [link to <http://www.epa.gov/opprd001/inerts/lists.html>] and if the inert is not approved, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch [Link to http://www.epa.gov/oppbppd1/biopesticides/contacts_bppd.htm].

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information [link to <http://www.epa.gov/opprd001/inerts/tips.pdf>] must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R311, R312 or R313), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

June 2, 2009

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

PLEASE RETURN A COPY OF THIS LETTER WITH PAYMENT
Or Pay On-Line at www.Pay.Gov (See Below for Details)

OPP Decision Number: D-414588
EPA File Symbol or Registration Number: 35935-TL
Product Name: DITHIOPYR TECHNICAL
EPA Receipt Date: 01-Jun-2009
EPA Company Number: 35935
Company Name: NUFARM LIMITED

WILLIAM M. MAHLBURG
NUFARM LIMITED
NUFARM LIMITED
PO Box 13439
RTP, NC 27709-

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application for registration. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R310

NEW PRODUCT;NON-FAST TRACK (INCLUDES REVIEWS OF PRODUCT
CHEMISTRY;ACUTE TOXICITY;PUBLIC HEALTH PEST EFFICACY);

Please remit payment in the amount of: \$2,940 (\$4,578 fee minus \$1,638 previously paid) to:

By USPS:
USEPA Washington Finance Center
Pesticide Registration Service Fee
PO Box 979074
St. Louis, MO 63197-9000

By Courier:

U.S. Bank
Government Lockbox 979074
1005 Convention Plaza
SL-MO-C2-GL
St. Louis, MO 63197
Telephone: (412) 236-2294

All payments must be in United States currency by check, bank draft, or money order drawn to the order of the Environmental Protection Agency. To ensure proper credit, please write the OPP DECISION NUMBER on your check, and enclose a copy of this letter with your payment.

Effective November 1, 2006, fees may be paid on-line via credit card or electronic fund transfer. To submit a payment on-line, visit www.pay.gov. From the [pay.gov](http://www.pay.gov) home page, select "search by form name." From the next page, select "P," then click on "Pesticide Registration Improvement Act. Fee Payment" and complete the form, making certain to use the decision number and registration number on the invoice you receive from the Pesticide Program in the space provided.

You may be eligible for a partial waiver of the registration service fee if, for example, you qualify as a small business or are applying for a minor use, or if your application is solely associated with an IR-4 tolerance petition. Please be advised that if you intend to request a waiver, you must do so in writing within 15 days of receipt of this invoice instead of remitting the amount indicated above. OPP will not consider waiver requests after the registration service fee has been paid. Information regarding eligibility and how to request and document a fee waiver is available on the OPP Fee for Service web site at www.epa.gov/pesticides/fees.

Please send Registration Service Fee Waiver requests to:

By USPS:

Document Processing Desk (WAIVER)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
1200 Pennsylvania Ave NW
Washington, DC 20460

By Courier:

Document Processing Desk (WAIVER)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room S4900 Potomac Yard 1
2777 S. Crystal Dr.
Arlington, VA 22202

A PRIA decision time review period will not start until a fee waiver is granted and/or the Agency receives certification that the outstanding fee has been paid. If the Agency does not receive certification of payment for this action or a fee waiver request within the next 30 days, the Agency will presume that you no longer want to pursue this action. The Agency will then initiate a process that may result in administrative withdrawal of this action.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 305-6249.

Sincerely,

A handwritten signature in cursive script that reads "Teresa Downs".

Front End Processing Staff

Information Technology & Resources Management Division

Fee for Service

{8509729~

This package includes the following

- ☒ New Registration
- ☐ Amendment

- ☒ Studies? ~~Fee~~ Waiver?
- ☐ volpay % Reduction: ____

for Division

- ☐ AD
- ☐ BPPD
- ☒ RD

Risk Mgr. 23

Receipt No.

S-

850972

EPA File Symbol/Reg. No.

35935-TL

Pin-Punch Date:

6/1/2009

☐ This item is NOT subject to FFS action.

Action Code:

Requested:

R301

Granted:

R310

Amount Due: \$ 4578⁰⁰

Parent/Child Decisions:

Technical & signature only. S. Lock 6/4/09

☒ Inert Cleared for Intended Use

☐

Uncleared Inert in Product

Reviewer: *JPL*

Date: *6/2/09*

Remarks:

Online Payment

Step 3: Confirm Payment

1 | 2 | 3

Thank you.

Your transaction has been successfully completed.

Pay.gov Tracking Information

Application Name: PRIA Service Fees

Pay.gov Tracking ID: 24VGJU40

Agency Tracking ID: 74072062105

Transaction Date and Time: 05/29/2009 14:35 EDT

Payment Summary

Address Information	Account Information	Payment Information
Account Holder Name: George Meindl 150 Harvester Billing Address: Drive Billing Address 2: Suite 200 City: Burr Ridge State / Province: IL Zip / Postal Code: 60527 Country: USA	Card Type: Master Card Card Number: *****1276 Decision Number: Registration Number:	Payment Amount: \$1,638.00 Transaction Date 05/29/2009 and Time: 14:35 EDT



United States
Environmental Protection Agency
Washington, DC 20460

☒ Registration
☐ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Nufarm Limited/35935- <i>TL</i>	2. EPA Product Manager J. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Nufarm Ltd./ Dithiopyr Technical	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Limited 150 Harvester Dr. Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>83558-32 (formerly 72167-55)</u> Product Name <u>Dithiopyr Technical</u>	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input checked="" type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This application falls under PRIA Category R301 (45: New product) because it is an application for registration for a product substantially similar to a currently registered product. The fee has been paid (\$1,638) and the decision timeline is 4 months.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	poly lined supersacks
* Certification must be submitted				<input checked="" type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 500 kg		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying prod. c.	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name George Meindl		Title Regulatory Affairs Manager		Telephone No. (Include Area Code) (630) 455-2017	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature <i>George Meindl</i>		3. Title Regulatory Affairs Manager			
4. Typed Name George Meindl		5. Date 5/29/09			


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**401 M Street, S.W.
WASHINGTON, D.C. 20460**

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Nufarm Limited, 150 Harvester Drive, Burr Ridge, IL 60527 630-455-2000	EPA Registration Number/File Symbol 35935-
Active Ingredient(s) and/or representative test compound(s) Dithiopyr	Date 5/28/2009
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Nonfood Crop	Product Name Dithiopyr Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 5/28/2009	Typed or Printed Name and Title George Meindl, Regulatory Affairs Manager
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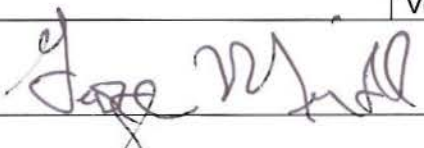
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DATA MATRIX

Date May 26, 2009			EPA Reg. No./File Symbol 35935-		Page 1 of 6
Applicant's/Registrant's Name & Address Nufarm Limited 150 Harvester Drive Burr Ridge, IL 60527			Product Dithiopyr Technical		
Ingredient Dithiopyr CAS No. 97786-45-8					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Specific Data Requirements					
830.1550	Product Identity and Composition	Volume 1	Nufarm Limited	OWN	
830.1600	Description of Materials Used to Produce the Product	Volume 1	Nufarm Limited	OWN	
830.1620	Description of Production Process	Volume 1	Nufarm Limited	OWN	
830.1650	Description of Formulation Process				Not required ¹
830.1670	Discussion of Formation of Impurities	Volume 1	Nufarm Limited	OWN	
830.1700	Preliminary Analysis	Volume 2	Nufarm Limited	OWN	
830.1750	Certified Limits	Volume 1	Nufarm Limited	OWN	
830.1800	Enforcement Analytical Method	Volume 1	Nufarm Limited	OWN	
830.6302	Color	Volume 3	Nufarm Limited	OWN	
830.6303	Physical State	Volume 3	Nufarm Limited	OWN	
830.6304	Odor	Volume 3	Nufarm Limited	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	46974803 Volume 3	Nations Ag II LLC Nufarm Limited	PAY OWN	Waiver ²
830.6314	Oxidation/Reduction: Chemical Incompatibility	Volume 3	Nufarm Limited	OWN	Waiver ³
830.6315	Flammability	Volume 4	Nufarm Limited	OWN	Waiver ⁴
Signature 			Name and Title George Meindl, Regulatory Affairs Manager		Date May 26, 2009

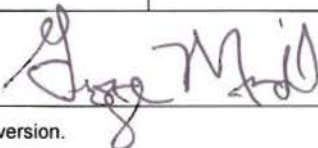
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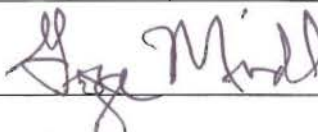
Date May 26, 2009			EPA Reg. No./File Symbol 35935-		Page 2 of 6
Applicant's/Registrant's Name & Address Nufarm Limited 150 Harvester Drive Burr Ridge, IL 60527			Product Dithiopyr Technical		
Ingredient Dithiopyr CAS No. 97786-45-8					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6316	Explosibility	Volume 4	Nufarm Limited	OWN	Waiver ⁵
830.6317	Storage Stability	Volume 3	Nufarm Limited	OWN	PRN 92-5 ⁶
830.6319	Miscibility				Not required ⁷
830.6320	Corrosion Characteristics	Volume 3	Nufarm Limited	OWN	PRN 92-5 ⁶
830.6321	Dielectric Breakdown Voltage				Not required ⁸
830.7000	pH	Volume 3	Nufarm Limited	PL	
830.7050	UV/Visible Absorption	46974803	Nations Ag II LLC	PAY	
830.7100	Viscosity				Not required ⁹
830.7200	Melting Point/Melting Range	Volume 3	Nufarm Limited	PL	
830.7220	Boiling Point/Boiling Range				Not required ¹⁰
830.7300	Density/Relative Density/Bulk Density	Volume 3	Nufarm Limited	PL	
830.7370	Dissociation Constants in Water	Volume 3	Nufarm Limited		Waiver ¹¹
830.7520	Particle Size, fiber length, and diameter distribution				Not required ¹²
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	Volume 3	Nufarm Limited	PL	
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7560
Signature 			Name and Title George Meindl, Regulatory Affairs Manager		Date May 26, 2009

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DATA MATRIX

Date May 26, 2009		EPA Reg. No./File Symbol 35935-		Page 3 of 6	
Applicant's/Registrant's Name & Address Nufarm Limited 150 Harvester Drive Burr Ridge, IL 60527		Product Dithiopyr Technical			
Ingredient Dithiopyr CAS No. 97786-45-8					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7560
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	Volume 3	Nufarm Limited	PL	
830.7860	Water Solubility, Generator Column Method				See 830.7840
830.7950	Vapor Pressure	Volume 3	Nufarm Limited	PL	
870.1100	Acute Oral Toxicity: Rat	Cite-All		PAY	
870.1200	Acute Dermal Toxicity: Rat	Cite-All		PAY	
870.1300	Acute Inhalation Toxicity: Rat	Cite-All		PAY	
870.2400	Primary Eye Irritation: Rabbit	Cite-All		PAY	
870.2500	Primary Dermal Irritation	Cite-All		PAY	
870.2600	Dermal Sensitization	Cite-All		PAY	
Nufarm Limited will make offers-to-pay to the following companies on the March 31, 2009 Data Submitters List for Dithiopyr					
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Bayer CropScience LP	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Lebanon Seaboard Corp.	PAY	
Signature 			Name and Title George Meindl, Regulatory Affairs Manager		Date May 26, 2009

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DATA MATRIX

Date May 26, 2009		EPA Reg. No./File Symbol 35935-		Page 4 of 6	
Applicant's/Registrant's Name & Address Nufarm Limited 150 Harvester Drive Burr Ridge, IL 60527		Product Dithiopyr Technical			
Ingredient Dithiopyr CAS No. 97786-45-8					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		PBI/Gordon Corp	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Southern States Cooperative, Inc.	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Knox Fertilizer Co., Inc.	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		United Industries Corp.	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		The Andersons Lawn Fertilizer Division	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Chemisco	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Winfield Solutions, LLC	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Lesco Inc.	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Loveland Products Inc.	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Control Solutions Inc.	PAY	
			Name and Title George Meindl, Regulatory Affairs Manager	Date May 26, 2009	

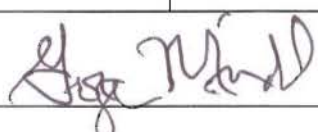
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DATA MATRIX

Date May 26, 2009			EPA Reg. No./File Symbol 35935-		Page 5 of 6
Applicant's/Registrant's Name & Address Nufarm Limited 150 Harvester Drive Burr Ridge, IL 60527			Product Dithiopyr Technical		
Ingredient Dithiopyr CAS No. 97786-45-8					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Dow AgroSciences LLC	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Spray Drift Task Force	PAY	See Endnote ¹³
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Outdoor Residential Exposure Task Force	PAY	See Endnote ¹⁴
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Agricultural Reentry Task Force	PAY	See Endnote ¹⁵
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Nations Ag II, LLC	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Farmsaver.Com LLC	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		FIFRA Endangered Species Task Force LLC	PAY	See Endnote ¹⁶
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Residential Exposure Joint Task Force	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Agricultural Handlers Exposure Task Force	PAY	See Endnote ¹⁷
Signature 			Name and Title George Meindl, Regulatory Affairs Manager		Date May 26, 2009

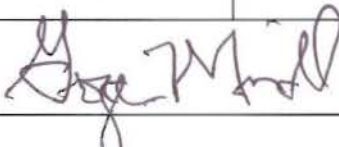
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DATA MATRIX

Date May 26, 2009		EPA Reg. No./File Symbol 35935-		Page 6 of 6	
Applicant's/Registrant's Name & Address Nufarm Limited 150 Harvester Drive Burr Ridge, IL 60527		Product Dithiopyr Technical			
Ingredient Dithiopyr CAS No. 97786-45-8					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Gro-Pro LLC		
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Etigra LLC	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Celsius Property BV Amsterdam NL	PAY	
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Generic Endangered Species Task Force LLC	PAY	See Endnote ¹⁸
Dithiopyr Generic Data Requirements	Cite-All utilized by Nufarm Limited for Dithiopyr generic data requirements		Celsius Property BV Amsterdam NL	PAY	
Signature 			Name and Title George Meindl, Regulatory Affairs Manager		Date May 26, 2009

Endnotes for Data Matrix for Dithiopyr Technical

¹ **830.1650** - These data are not required for the registration of a technical grade product. See 830.1620 for production process information.

² **830.6313** - Nufarm Limited is citing data on file with EPA for stability of dithiopyr to normal and elevated temperatures: MRID 46974803. Nufarm Limited will not package Dithiopyr Technical in metal containers, nor is Dithiopyr Technical expected to come into contact with metals or metal ions during its storage or use. Therefore, a waiver from the requirement of these data is requested.

³ **830.6314** - Nufarm Limited requests a waiver from the requirement of this study. Dithiopyr Technical does not contain oxidizing or reducing agents. Please refer to the Confidential Statement of Formula for additional information on the composition of Dithiopyr Technical. Dithiopyr Technical will be formulated into end-use products which contain inert materials which are not oxidizing or reducing agents. However, each end-use product is itself tested for chemical compatibility to oxidizing and reducing agents. Therefore Nufarm Limited requests a waiver from this data requirement for Dithiopyr Technical.

⁴ **830.6315** - Nufarm Limited requests a waiver from the requirement of this data requirement since Dithiopyr Technical is a solid and is not expected to be flammable. Please refer to the Confidential Statement of Formula for Dithiopyr Technical.

⁵ **830.6316** - Nufarm Limited requests a waiver from this data requirement because dithiopyr does not have the chemical bonds or functional groups associated with explosive chemicals.

⁶ **830.6317, 830.6320** - Per PR Notice 92-5, storage stability and corrosion characteristics data are not required to be submitted unless specifically requested by the Agency. Nufarm Limited agrees to conduct this study if required and requests that the study be made a condition of registration.

⁷ **830.6319** - This data requirement is required when the product is an emulsifiable liquid and to be diluted with petroleum solvents. Dithiopyr Technical is a solid technical material and therefore this data requirement is not applicable.

⁸ **830.6321** - These data are required if the product is an end-use product. This data requirement is not applicable to Dithiopyr Technical.

⁹ **830.7100** - These data are required when the product is a liquid. Dithiopyr Technical is a solid and therefore this data requirement is not applicable.

¹⁰ **830.7220** - Boiling point data are not applicable to Dithiopyr Technical because it is a solid.

¹¹ **830.7370** - Nufarm Limited is requesting a waiver for this data requirement for Dithiopyr Technical because the molecule has no chemical moiety that would dissociate in water.

¹² **830.7520** - Nufarm Limited is seeking a waiver for this data requirement for Dithiopyr Technical because the product is not water insoluble and it is not a fibrous material.

¹³ **SDTF** - Nufarm Limited is a member in good standing with the Spray Drift Task Force. As such, no offer to pay is required.

¹⁴ **ORETF** - Nufarm Limited is a member in good standing with the Outdoor Residential Exposure Task Force. As such, no offer to pay is required.

¹⁵ **ARTF** - Nufarm Limited is a member in good standing with the Agricultural Reentry Task Force. As such, no offer to pay is required.

¹⁶ **FESTF** - Nufarm Limited is a member in good standing with the FIFRA Endangered Species Task Force. As such, no offer to pay is required.

¹⁷ **AHETF** - Nufarm Limited is a member in good standing with the Agricultural Handlers Exposure Task Force. As such, no offer to pay is required.

¹⁸ **GESTF** - Nufarm, Ltd. is a member in good standing with the Generic Endangered Species Task Force. As such, no offer to pay is required.

DITHIOPYR TECHNICAL

ACTIVE INGREDIENT:

Dithiopyr*: S,S'-dimethyl 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate 98.8%

OTHER INGREDIENTS: 1.2%

TOTAL: 100.0%

*CAS No. 97786-45-8

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 35935-
EPA EST. NO.

NET WEIGHT:

035935-000xx.20090428.EPA.NEW
NUP-08074

MANUFACTURED FOR
NUFARM LIMITED
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



**PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Only for formulation into a herbicide for the following uses(s):

- (1) Established ornamental turf and lawn grasses (including golf course fairways, roughs, and tee boxes), sod farms, non-cropland and industrial sites, established landscape ornamentals, field and container ornamentals;
- (2) Use for which U.S. EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and
- (3) Uses for experimental purposes that are in compliance with U.S. EPA regulations.

Detailed information on chemical and physical properties and other formulating recommendations for this product are available upon request from Nufarm. Obtain and read this information before undertaking the formulation of Dithiopyr Technical in order to avoid formulation hazards and insure a satisfactory finished product.

Formulators using this product are responsible for obtaining EPA registration for their formulated product. Labeling for products formulated from this product must conform to that which is currently registered with the U.S. Environmental Protection Agency. For specific information on federally registered uses, contact Nufarm.

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Do not mix or store this product in unlined steel equipment.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If wastes cannot be disposed of by use according to label instructions, they must be disposed of according to Federal, state and local procedures. Contact your local State Pesticide or Environmental Control Agency or Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. Triple rinse (or equivalent) the steel drum. Then, offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER, AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, CROP OR PLANT DAMAGE, OR LOSS OF YIELD, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE WEATHER, WIND, AND TEMPERATURE, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER, AND ASSUMED BY BUYER OR USER.

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the goods, and return it unopened to the Seller, and the purchase price will be refunded. By using the goods, you expressly agree to all of the terms and conditions of this contract.

(New)

Confidential Statement of Formula may be entitled to confidential treatment

